

## ABSTRACT

The present invention relates to a composite material using titanium or a titanium alloy, and concerns such a composite material obtained through processes in which after an imidazole compound has been applied to the surface of titanium or a titanium alloy, an adhere is adhered thereto. The composite material of the present invention is obtained by adhering the adhere thereto by using an adhesive resin composition containing a thermoplastic resin having a fracture energy release rate  $G_{1c}$  of  $4500\text{J/m}^2$  or more. The present invention makes it possible to provide a composite material using titanium or a titanium alloy, which exerts a superior adhesive strength stably at room temperature as well as even after exposure to a high-temperature, high-humidity condition.